

ARMATURE DROP TESTER



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BRIEF DESCRIPTION

The armature drop tester is used to locate faults in armature coils by measuring the voltage drop between adjacent segments of the commutator whilst a current is flowing through an armature winding. The tester is used in conjunction with an external 12-volt battery which is connected to the armature winding through contacts on a V-shaped commutator rest via a switch and one of two rheostats. The latter provide the required adjustment to the supply voltage for motor and generator armatures respectively.

Two insulated prods, mounted on a pivoted spring-loaded lever, and connected to a millivoltmeter, make contact with two adjacent commutator segments when the protruding end of the lever is depressed.

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